

//UNCLASSIFIED//
031804Z Mar 16
FROM CDR JMC ROCK ISL IL//AMSJM-QAS//
740 (A)

SUBJECT: AMMUNITION INFORMATION NOTICE (AIN) 038-16, USE OF SIMULATOR, HAND GRENADE, M116A1 (DODAC 1370-L601)

1. AIN 037-16 WAS TRANSMITTED ON 031738Z Mar 16
2. THIS AIN SUPERSEDES AIN 015-15.
3. DODIC: L601
4. REFERENCES:
 - A. TM 9-1370-207-10, W/C7, PYROTECHNIC SIMULATORS, 14 SEPTEMBER 2006.
 - B. MIL-STD-1168C, REVISION C, AMMUNITION LOT NUMBERING AND AMMUNITION DATA CARDS, 11 MARCH 2014.
5. DISSEMINATE TO ALL PERSONNEL RESPONSIBLE FOR HANDLING, STORING AND USING SIMULATOR, HAND GRENADE, M116A1 (DODAC 1370-L601).
6. QASAS WILL ENSURE A COPY OF THIS AIN IS PROVIDED AT TIME OF ISSUE.
7. THE ARDEC TECHNICAL COMMUNITY CONFIRMED MALFUNCTION REPORTS THAT INDICATE END CAPS FROM OLDER L601 SIMULATORS MAY TRAVEL UP TO 30 METERS FROM POINT OF FUNCTIONING. PM-CCS, JMC QA, JMC SAFETY AND JMC COMMODITY TEAM CONCUR WITH THE 30 METER SURFACE DANGER ZONE (SDZ).
8. IN ORDER TO REDUCE THE SDZ FROM 30 METERS TO 15 METERS, SEVERAL DESIGN CHANGES HAVE BEEN INCORPORATED IN NEWER LOTS OF SUBJECT DODIC. TO HELP IDENTIFY THE LOTS AND ASSOCIATED SDZ, USE THE FOLLOWING:

YEAR OF MANUFACTURE:	SURFACE DANGER ZONES:
JAN 2006 THRU MAY 2013 (WHITE/ORANGE LABEL)	30 METERS
NEWER THAN MAY 2013 (YELLOW LABEL)	15 METERS
PRIOR TO JAN 2006 (WHITE LABEL)	CC-H (SEE NAR 08-0179)
9. FUTURE PRODUCTION LOTS OF L601, BEGINNING AFTER MAY 2013, WILL HAVE A 15 METER SDZ, A NEW NSN: 1370-01-614-5083, AND A YELLOW LABEL TO DIFFERENTIATE THEM FROM OLDER ORANGE LABEL LOTS THAT HAVE A 30 METER SDZ (SEE ATTACHMENT AIN038-16A).

10. IT IS IMPERATIVE USERS FOLLOW ALL GUIDELINES, PRECAUTIONS, AND WARNINGS CONTAINED IN REFERENCE A. SPECIFICALLY, WHEN A SIMULATOR IS INITIATED, IT MUST BE IMMEDIATELY THROWN IN A DIRECTION AWAY FROM UNPROTECTED PERSONNEL.

11. ADDITIONAL GUIDANCE:

A. ////WARNING//// THESE DEVICES SHALL NOT BE ACTIVATED IN LOOSE GRAVEL, DEBRIS, OR OTHER MATERIALS THAT ARE SUBJECT TO PROJECTION. ALSO, THEY SHOULD NOT BE THROWN INTO DRY LEAVES, GRASS, OR OTHER FLAMMABLES.

B. RESTRICT USE AND HANDLING OF SIMULATORS TO DESIGNATED, AUTHORIZED PERSONNEL. PERSONNEL SHALL BE LIMITED TO EXPERIENCED, THOROUGHLY TRAINED COMBAT TRAINERS/CONTROLLERS WHO HAVE BEEN BRIEFED ON POTENTIAL HAZARDS OF THESE ITEMS INCLUDING AND ESPECIALLY THE 30 METER SDZ.

C. OBSERVE SDZ FROM UNPROTECTED PERSONNEL AT ALL TIMES. SDZ DISTANCES LESS THAN 30 METERS ARE ONLY ACCEPTABLE FOR PROTECTED PERSONNEL. PROTECTED PERSONNEL ARE THOSE PROTECTED BY SUITABLE COVER, SUCH AS ARMORED VEHICLES, BUILDINGS, OR DUG-IN EMPLACEMENTS, ETC. FURTHERMORE, PERSONNEL ARE NORMALLY CONSIDERED PROTECTED WHEN SIMULATOR DETONATIONS ARE SEPARATED FROM PERSONNEL BY MASKING TERRAIN OR WITHIN DESIGNATED BARRICADED AREAS AND/OR PITS.

12. PERSONNEL PROTECTION:

A. THROWERS: PERSONNEL DESIGNATED AND AUTHORIZED TO USE SIMULATORS SHALL FOLLOW PRECAUTIONS AND WARNINGS IN REFERENCE 4A. WHEN USING M116A1 SIMULATORS, THROWER SHALL WEAR:

- 1) STANDARD-ISSUE LEATHER GLOVE ON THROWING HAND.
- 2) SAFETY EYEWEAR (E.G., "GARGOYLE" OR SAFETY GLASSES).

3) THROWER SHALL ALSO SEEK SUITABLE COVER/BARRICADE, TURN AWAY FROM SIMULATOR POINT OF DETONATION AND ASSUME PROTECTIVE STANCE AFTER THROWING. THROWER SHALL ALSO ASSURE SIMULATOR IS THROWN AT LEAST 30 METERS FROM UNPROTECTED PERSONNEL.

B. ADDITIONAL SPECIFIC M116A1 SIMULATOR THROWER GUIDANCE:

- 1) WILL BE EMPLOYED ONLY FROM BEHIND SUITABLE COVER/BARRICADE.
- 2) EAR PROTECTION (AS REQUIRED BASED ON THROWER PROXIMITY TO DETONATION AREA).

C. TRAINEES SPECIFIC PERSONNEL PROTECTION REQUIREMENTS EXPOSED TO M116A1 EFFECTS:

- 1) SAFETY EYEWEAR (E.G., "GARGOYLE" EYEWEAR OR SAFETY GLASSES).
- 2) KEVLAR HELMET

3) FLACK VEST

D. EXPOSED OR TARGET PERSONNEL WHO ARE NOT UNDER COVER SHALL BE INSTRUCTED TO FOLLOW CURRENT DOCTRINE FOR ACTION NORMALLY TAKEN WHEN EXPOSED IN COMBAT.

13. WHILE USE OF PROPER PRECAUTIONS WILL MITIGATE SAFETY HAZARDS, USERS SHOULD ALSO ENSURE ITEM FUNCTIONING PROBLEMS ARE PROMPTLY REPORTED TO THE APPROPRIATE AMMUNITION SURVEILLANCE OR AMMUNITION LOGISTICS ASSISTANCE REPRESENTATIVE.

14. TECHNICAL POC IS MR. TIMOTHY HEALY, RDAR-EIL-LM, DSN 880-8055, E-MAIL TIMOTHY.B.HEALY.CIV@MAIL.MIL. POC FOR DISTRIBUTION IS MRS. IRENE E. YOUNG, AMSJM-QAS, DSN 793-8490, E-MAIL IRENE.E.YOUNG9.CIV@MAIL.MIL

15. THIS AIN EXPIRES 31 MARCH 2017, UNLESS OTHERWISE RESCINDED OR SUPERSEDED.

//SIGNED//

JEAN-MICHEL W. SERRA

CHIEF, AMMUNITION SURVEILLANCE DIVISION